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 NEWS  7  SEP 09  ACD predicted properties enhanced in REGISTRY/ZREGISTRY
 NEWS  8  SEP 22  MATHDI to be removed from STN

 NEWS EXPRESS  JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

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FILE 'HOME' ENTERED AT 14:20:38 ON 23 SEP 2005

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FILE 'MEDLINE' ENTERED AT 14:21:07 ON 23 SEP 2005

FILE 'USPATFULL' ENTERED AT 14:21:07 ON 23 SEP 2005
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FILE 'JICST-EPLUS' ENTERED AT 14:21:07 ON 23 SEP 2005

FILE 'BIOSIS' ENTERED AT 14:21:07 ON 23 SEP 2005


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=> e thomsen/au
E1            1     THOMSELL A/AU
E2            1     THOMSEM C/AU
E3            4 --> THOMSEN/AU
E4          170     THOMSEN A/AU
E5            2     THOMSEN A A/AU
E6           73     THOMSEN A B/AU
E7            1     THOMSEN A BLOCH/AU
E8          199     THOMSEN A C/AU
E9            4     THOMSEN A D/AU
E10           6     THOMSEN A E/AU
E11           6     THOMSEN A F/AU
E12           1     THOMSEN A G/AU

=> s e12
L1            1 "THOMSEN A G"/AU

=> d l1 ti abs ibib tot
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L1 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Comparison of methods for simulating effects of nitrogen on green area index and dry matter growth in winter wheat.

AB Crop simulation models are increasingly being used to simulate the response of crop production to variation in input use. Current and widely used crop models differ strongly in the way in which green area index (GAI) and radiation use efficiency (RUE) is affected by nitrogen (N) supply. Three different methods of simulating effect of N on development of GAI were tested in combination with three different methods of simulating effects of N on RUE. The methods tested represent functions applied in three existing wheat simulation models: FASSET, Sirius and DAISY. GAI depends in FASSET on crop dry weight, temperature and N uptake, in Sirius on temperature and N uptake, and in DAISY GAI depends on dry weight and temperature. Sirius has no effect of N on RUE, DAISY uses a segmented linear response function, and FASSET uses a curvilinear response. The different methods were implemented in the FASSET model framework, and maximum RUE at optimal N supply was calibrated for each model combination using 4 years of growth analysis data from an experiment in winter wheat with three rates of mineral N fertiliser at Research Centre Foulum, Denmark. The model combinations were validated using 2 years of growth analysis data from an experiment at Research Centre Foulum with different timing of N application. The model combinations were tested against grain yield response to increasing N supply from a series of N fertiliser experiments in Denmark. The observed development of GAI and dry weight over time in the calibration and validation data sets could be reproduced by all combinations of GAI and RUE models. This shows that a large variation in N supply rates is more important than detailed sampling over time when validating and testing crop response to N supply. The observed response of grain yield to increasing rates of mineral N fertiliser could be reproduced by most of the model combinations.

However, the yield increase was overestimated with the use of a segmented linear response of RUE to N supply, and the optimal N rate was underestimated when the N response of RUE was ignored.

ACCESSION NUMBER: 2002:257131 BIOSIS
DOCUMENT NUMBER: PREV200200257131
TITLE: Comparison of methods for simulating effects of nitrogen on green area index and dry matter growth in winter wheat.
AUTHOR(S): Olesen, J. E. [Reprint author]; Petersen, B. M.; Berntsen, J.; Hansen, S.; Jamieson, P. D.; **Thomsen, A. G.**
CORPORATE SOURCE: Department of Crop Physiology and Soil Science, Research Centre Foulum, DK-8830, Tjele, Denmark jorgene.olesen@agrsci.dk
SOURCE: Field Crops Research, (March 15, 2002) Vol. 74, No. 2-3, pp. 131-149. print.
ISSN: 0378-4290.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 24 Apr 2002
Last Updated on STN: 24 Apr 2002

```
=> s smurf polypeptide
L2            0 SMURF POLYPEPTIDE

=> s smad polypeptide
L3           65 SMAD POLYPEPTIDE

=> s l3 and ubiquitination
L4            2 L3 AND UBIQUITINATION

=> d l4 ti abs ibib tot

L4   ANSWER 1 OF 2  USPATFULL on STN
TI     Compositions and methods for cell dedifferentiation and tissue
       regeneration
AB     The present invention provides methods and compositions to
       dedifferentiate a cell. The ability of the methods and compositions of
       the present invention to promote the dedifferentiation of differentiated
       cells, including terminally differentiated cells, can be used to promote
       regeneration of tissues and organs in vivo. The ability of the methods
       and compositions of the present invention to promote the
       dedifferentiation of differentiated cells, including terminally
       differentiated cells, can further be used to produce populations of stem
       or progenitor cells which can be used to promote regeneration of tissues
       and/or organs damaged by injury or disease. Accordingly, the present
       invention provides novel methods for the treatment of a wide range of
       injuries and diseases that affect many diverse cell types.

ACCESSION NUMBER:        2004:114177  USPATFULL
TITLE:                   Compositions and methods for cell dedifferentiation and
                         tissue regeneration
INVENTOR(S):             Keating, Mark T., Chestnut Hill, MA, UNITED STATES
                         Odelberg, Shannon J., Salt Lake City, UT, UNITED STATES
                         Poss, Kenneth D., Brookline, MA, UNITED STATES
PATENT ASSIGNEE(S):      University of Utah Research Foundation, Salt Lake City,
                         UT, UNITED STATES, 84112 (U.S. corporation)

                              NUMBER         KIND    DATE
                         ---------------- ------ --------
PATENT INFORMATION:      US 2004087016      A1   20040506
APPLICATION INFO.:       US 2002-302812     A1   20021122  (10)
RELATED APPLN. INFO.:    Continuation-in-part of Ser. No. US 2003-275828, filed
                         on 4 Apr 2003, PENDING A 371 of International Ser. No.
```

WO 2001-US15582, filed on 14 May 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-204080P	20000512 (60)
	US 2000-204081P	20000512 (60)
	US 2000-204082P	20000512 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: ROPES & GRAY LLP, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624
NUMBER OF CLAIMS: 63
EXEMPLARY CLAIM: 1
LINE COUNT: 10731

L4 ANSWER 2 OF 2 USPATFULL on STN

TI Methods for modulating signal transduction mediated by TGF-beta related proteins

AB Methods are provided for identifying agents that modulate signaling mediated by transforming growth factor beta (TGF-β) and members of the TGF-β family, such as bone morphogenic protein (BMP). Such agents may be identified using screens that evaluate candidate agents for the ability to modulate Smad protein degradation. Agents identified as described herein may be used to augment or inhibit signaling mediated by one or more TGF-β family members in a variety of cell types and for therapeutic purposes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:173228 USPATFULL
TITLE: Methods for modulating signal transduction mediated by TGF-beta related proteins
INVENTOR(S): Hoekstra, Merl F., Cardiff-by-the-sea, CA, UNITED STATES
Xie, Weilin, San Diego, CA, UNITED STATES
Murray, Brion W., San Diego, CA, UNITED STATES
Mercurio, Frank M., Del Mar, CA, UNITED STATES
PATENT ASSIGNEE(S): Signal Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003119072	A1	20030626
APPLICATION INFO.:	US 2002-307956	A1	20021202 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 1999-385918, filed on 30 Aug 1999, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
NUMBER OF CLAIMS: 54
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Page(s)
LINE COUNT: 1625
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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US Patents Full-Text Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

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L8	L5 and (screening assay)	1640	L8
L7	L6 and l5	0	L7
L6	thomsen.in.	688	L6
L5	L4 and l3	1645	L5
L4	L1 and ubiquitination	1645	L4
L3	L2 and ubiquitination	1645	L3
L2	Smurf polypeptide	51529	L2
L1	smad polypeptide	51596	L1

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☐ 1. Document ID: US 6946545 B2

L8: Entry 1 of 1640 File: USPT Sep 20, 2005

US-PAT-NO: 6946545
DOCUMENT-IDENTIFIER: US 6946545 B2

TITLE: Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

DATE-ISSUED: September 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yan; Chunhua	Boyds	MD		
Ketchum; Karen A.	Germantown	MD		
Di Francesco; Valentina	Rockville	MD		
Beasley; Ellen M.	Darnestown	MD		

US-CL-CURRENT: 530/387.1; 435/194, 530/350, 530/387.9

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 2. Document ID: US 6946544 B2

L8: Entry 2 of 1640 File: USPT Sep 20, 2005

US-PAT-NO: 6946544
DOCUMENT-IDENTIFIER: US 6946544 B2

TITLE: XAF genes and polypeptides: methods and reagents for modulating apoptosis

DATE-ISSUED: September 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korneluk; Robert G.	Ottawa			CA
Tamai; Katsuyuki	Nagano			JP
Liston; Peter	Ottawa			CA
MacKenzie; Alexander E.	Ottawa			CA

US-CL-CURRENT: 530/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 3. Document ID: US 6946276 B2

L8: Entry 3 of 1640 File: USPT Sep 20, 2005

US-PAT-NO: 6946276
DOCUMENT-IDENTIFIER: US 6946276 B2

TITLE: Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof

DATE-ISSUED: September 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Webster; Marion	San Francisco	CA		
Yan; Chunhua	Boyds	MD		
Di Francesco; Valentina	Rockville	MD		
Beasley; Ellen M.	Damestown	MD		

US-CL-CURRENT: 435/194; 435/252.3, 435/320.1, 435/325, 435/6, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 4. Document ID: US 6946256 B1

L8: Entry 4 of 1640 File: USPT Sep 20, 2005

US-PAT-NO: 6946256
DOCUMENT-IDENTIFIER: US 6946256 B1

TITLE: Cell regulatory genes, encoded products, and uses related thereto

DATE-ISSUED: September 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McKeon; Frank	Boston	MA		
Yang; Annie	Boston	MA		
Loda; Massimo	Belmont	MA		
Signorretti; Sabina	Brookline	MA		
Crum; Christopher	Brookline	MA		

US-CL-CURRENT: 435/7.1; 424/130.1, 424/131.1, 424/134.1, 424/135.1, 436/500, 436/501, 436/512

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 5. Document ID: US 6946247 B1

L8: Entry 5 of 1640 File: USPT Sep 20, 2005

US-PAT-NO: 6946247
DOCUMENT-IDENTIFIER: US 6946247 B1

TITLE: RNAse probe protection assays in screening for modulators of immunoglobulin germline transcription

DATE-ISSUED: September 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Swift; Susan E.	Menlo Park	CA		
Bogenberger; Jakob M.	San Mateo	CA		

US-CL-CURRENT: 435/6; 435/440

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 6. Document ID: US 6946134 B1

L8: Entry 6 of 1640 File: USPT Sep 20, 2005

US-PAT-NO: 6946134
DOCUMENT-IDENTIFIER: US 6946134 B1

TITLE: Albumin fusion proteins

DATE-ISSUED: September 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rosen; Craig A.	Laytonsville	MD		
Haseltine; William A.	Washington	DC		

US-CL-CURRENT: 424/192.1; 435/320.1, 435/6, 435/7.1, 514/12, 530/350, 536/23.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 7. Document ID: US 6943278 B2

L8: Entry 7 of 1640 File: USPT Sep 13, 2005

US-PAT-NO: 6943278
DOCUMENT-IDENTIFIER: US 6943278 B2

TITLE: Transgenic Drosophila having a disrupted Parkin gene and exhibits reduced climbing ability

DATE-ISSUED: September 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chung; Jongkyeong	Yusong-Gu Taejon			KR

US-CL-CURRENT: 800/13; 800/12, 800/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 8. Document ID: US 6943003 B2

L8: Entry 8 of 1640 File: USPT Sep 13, 2005

US-PAT-NO: 6943003
DOCUMENT-IDENTIFIER: US 6943003 B2

TITLE: Isolated human phospholipase proteins, nucleic acid molecules encoding human

phospholipase proteins, and uses thereof

DATE-ISSUED: September 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yan; Chunhua	Boyds	MD		
Ketchum; Karen A	Germantown	MD		
Di Francesco; Valentina	Rockville	MD		
Beasley; Ellen M	Darnestown	MD		

US-CL-CURRENT: 435/198; 435/252.3, 435/320.1, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 9. Document ID: US 6943001 B2

L8: Entry 9 of 1640 File: USPT Sep 13, 2005

US-PAT-NO: 6943001
DOCUMENT-IDENTIFIER: US 6943001 B2

TITLE: Epoxide hydrolases, nucleic acids encoding them and methods for making and using them

DATE-ISSUED: September 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhao; Lishan	Carlsbad	CA		
Mathur; Eric J.	Carlsbad	CA		
Weiner; David	Del Mar	CA		
Richardson; Toby	San Diego	CA		
Milan; Aileen	San Diego	CA		
Burk; Mark J.	San Diego	CA		
Han; Bin	San Diego	CA		
Short; Jay M.	Rancho Santa Fe	CA		

US-CL-CURRENT: 435/195; 435/18, 435/252.3, 435/254.1, 435/255.1, 435/320.1, 435/325, 435/410, 536/23.2, 536/24.33

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 10. Document ID: US 6942999 B2

L8: Entry 10 of 1640 File: USPT Sep 13, 2005

US-PAT-NO: 6942999
DOCUMENT-IDENTIFIER: US 6942999 B2

TITLE: Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof

DATE-ISSUED: September 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shao; Wei	Frederick	MD		
Merkulov; Gennady V.	Baltimore	MD		
Di Francesco; Valentina	Rockville	MD		
Beasley; Ellen M.	Darnestown	MD		

US-CL-CURRENT: 435/190; 435/252.3, 435/320.1, 435/325, 435/6, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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